

**NSK VIPER AND ALPHA LIGHT
REPLACEMENT TURBINE INSTALLATION INSTRUCTIONS**

Note: Handpiece should be cleaned and sterilized prior to installation.

1. Place handpiece onto a smooth, flat surface. Using the enclosed wrench, unscrew the back cap and remove the spent turbine from the head and then from the back cap.
2. Using an explorer, remove worn 'O' ring from inside the head of the handpiece. *It's possible that the worn "O" ring is not in the head, but is attached to the front bearing of the turbine - use an explorer to remove it.*
3. Remove the spring washer and the white plastic shim from inside the head and set aside.
4. Using an explorer, remove worn 'O' ring from the back cap. *It's possible that the worn "O" ring is not in the back cap, but is attached to the back bearing of the turbine - use an explorer to remove it.*
5. Thoroughly clean the head and back cap with spray cleaner and a cotton swab. Use air syringe to blow any remaining cotton fibers from within the head of the handpiece and from the back cap.
6. Place a new 'O' ring onto the flanged part of the new turbine's back bearing (opposite bur end).
7. Hold the new turbine upright (bur end up) and carefully insert its back bearing (opposite bur end) into the back cap. While inserting the turbine into the back cap, gently rock turbine back and forth to properly seat. Test to see if properly seated by inverting the turbine (back cap up) and spinning the back cap - the back cap should spin freely.
8. Hold the turbine upright by the back cap (bur end up) and seat the remaining new 'O' ring against the flanged part of the turbine's front bearing. Then, place the spring washer on top of the front flanged bearing with the washer's "wings" facing up.
9. Place the white plastic shim in the head of the handpiece; use a drop of lubricant to hold it in position.

You are now ready to install the turbine into the head of the handpiece.

10. Holding the turbine/back cap combination by the back cap with the bur end up, insert it into the head of the handpiece and carefully screw back cap to the head 1/2 turn. Gently move bur from side to side to help seat the turbine fully in the head. *The bur should always spin freely during this step. Continue to do this until the cap is fully secured. If bur does not spin freely at any time during this step, stop, and repeat step.*
11. Fully tighten back cap with wrench.
12. Place 3 drops of handpiece lubricant into the drive air tube. Operate handpiece until all excess lubricant is expelled.
13. If the handpiece does not run smoothly or if it makes an unusual noise after all lubricant is expelled, re-install the turbine.

To extend the life and maintain the performance of your high-speed handpiece, clean, then lubricate, and then expel all excess lubricant before each autoclave cycle. Always operate handpiece below 38 PSI, and avoid using extended burs.

Warranty on this product is 6 months.

For technical support call, toll free 1-866-784-0366.